TRASH – IT ALL ADDS UP – DO THE MATH—RECYCLE!

Each one of the approximately 400,000 people in our county throws away about 6 pounds of trash each day.

1. How many pounds of trash do all the people in Sedgwick County throw away in one day?

2. If 2000 pounds equals one ton, how many tons is this?

3. How many tons are thrown away in one month?

4. How many tons in one year?

If it costs the average household $54 per quarter to pay for trash collection,

5. How much does it cost that household for an entire year?

6. How much does that average per day?

UNDERSTANDING NUMBERS:

If one million pennies were stacked on top of each other, how high would the pile be?
15 pennies = 1 inch.

Answer: over 5,000 ft.

ANSWERS:

1. $400{,}000 \times 6 = 2{,}400{,}000$ pounds

2. $2{,}400{,}000 \div 2{,}000 = 1{,}200$ tons

3. $1{,}200 \times 30$ days (avg. in one month) $= 36{,}000$ tons

4. $1{,}200 \times 365$ (days in a year) $= 438{,}000$ tons

5. $\$54 \times 4 = \$216$

6. $\$216 \div 365$ days $= \$0.59$ per day